



Enabling Ultra Mobility Technology -the Government Perspective

'07/06/06

Ultra
Mobility

Outline

- 1 、 What have been done in the past?
- 2 、 How are we doing right now?
- 3 、 Where are we going to?

1. What Have Been Done in the Past?



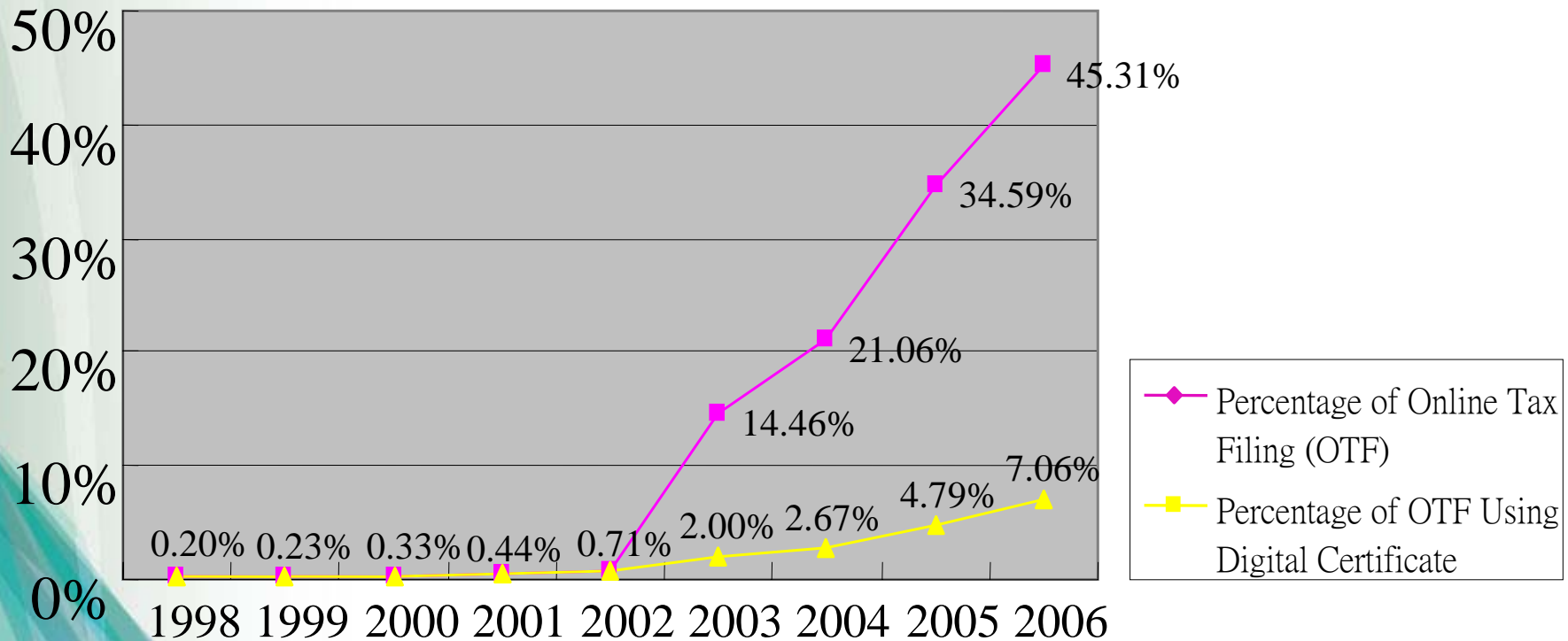
Integrated Government
(2005 ~)

On-line Services Development
(2001 ~2004)

Infrastructure Development and Penetration
(1998 ~ 2000)

G2C benchmarking : Online Income Tax Filing

In 2006, 45.31% of 4.92 million taxpayers filed individual income tax via the Internet, and 15.58% of them used electronic certificates.



Year 2007 and beyond?

G2B benchmarking : Government Procurement Online

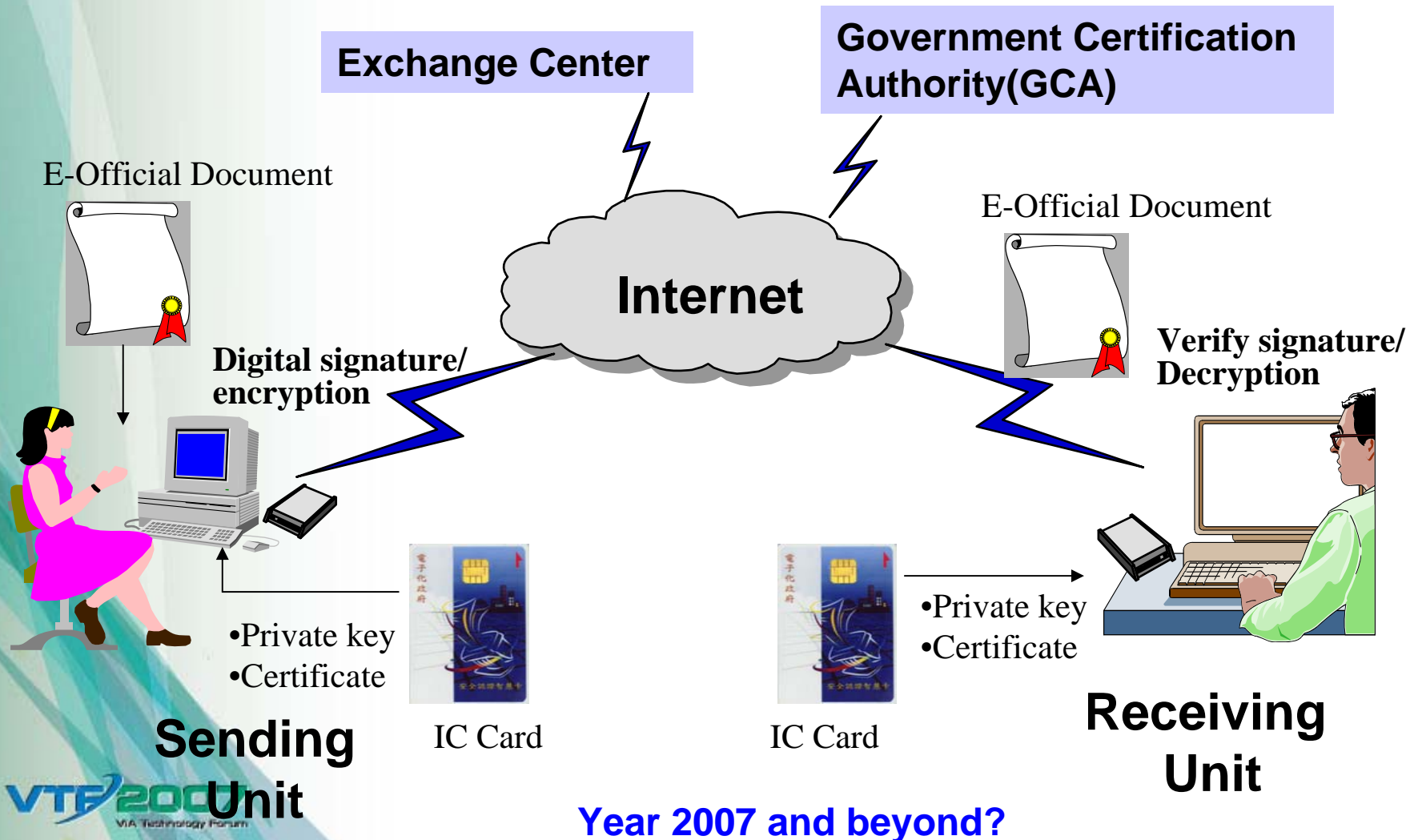


- *Government agency posted close to 1.9 million tender announcements*
- *There are 853,928 cases of online bidding, and more than 2.1 million bidding information download.*
- *Save up to NT\$1.2 billion per year*

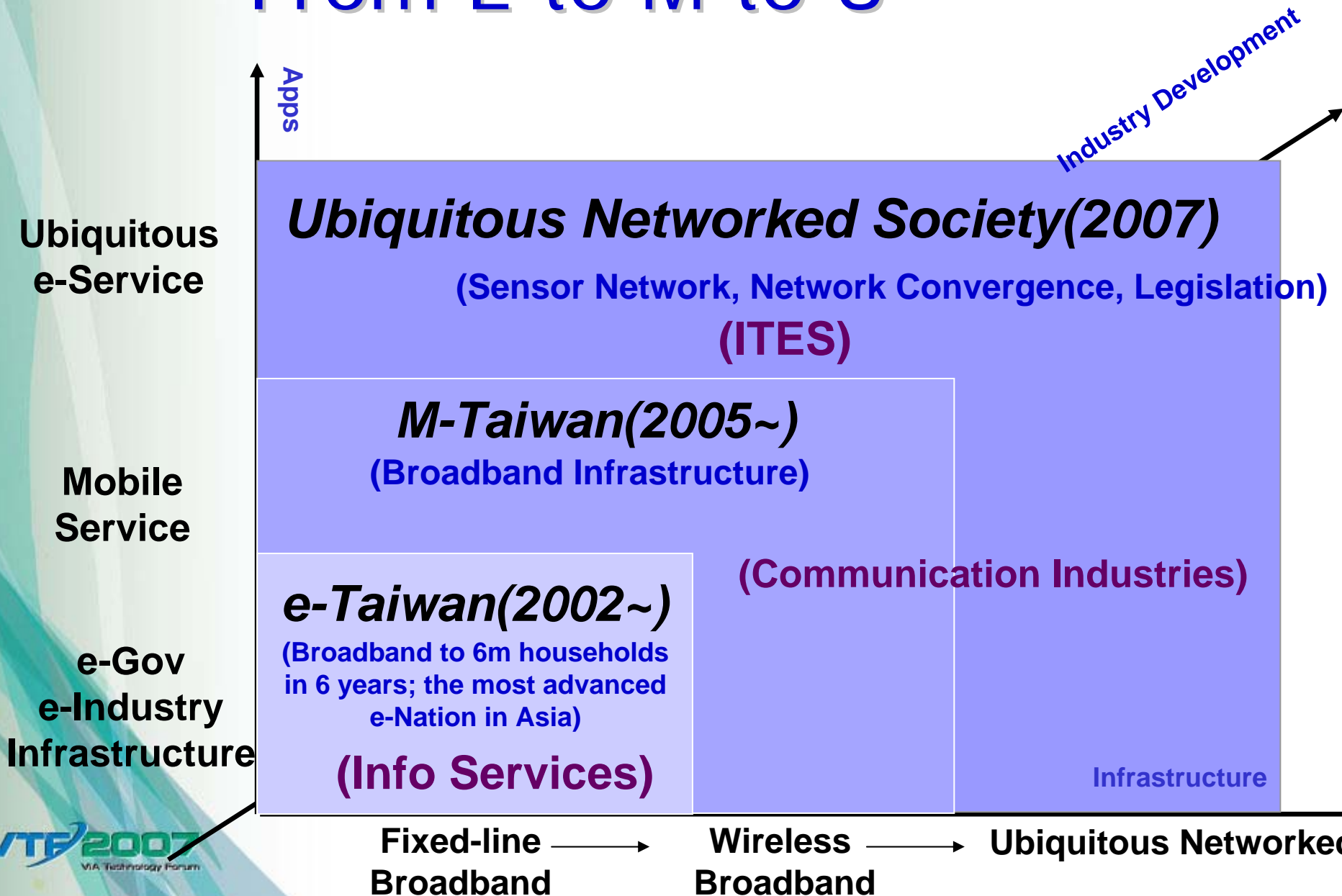
Year 2007 and beyond?

G2G benchmarking :Electronic Official Document Exchange

More than 70% official documents exchanged electronically



From E to M to U



E—M—U—Human-centric

7A ☐ **A**nyone • **A**ny device • **A**ny information • **A**nywhere •

Anytime • **A**ll security • **A**ffordable

Ubiquitous computing

Pervasive computing

Proactive computing

Calm computing

UNS...



U-Taiwan : Scenario

Telematics

Smart Home

Emergency Care

Food Chain Traceability

Applications

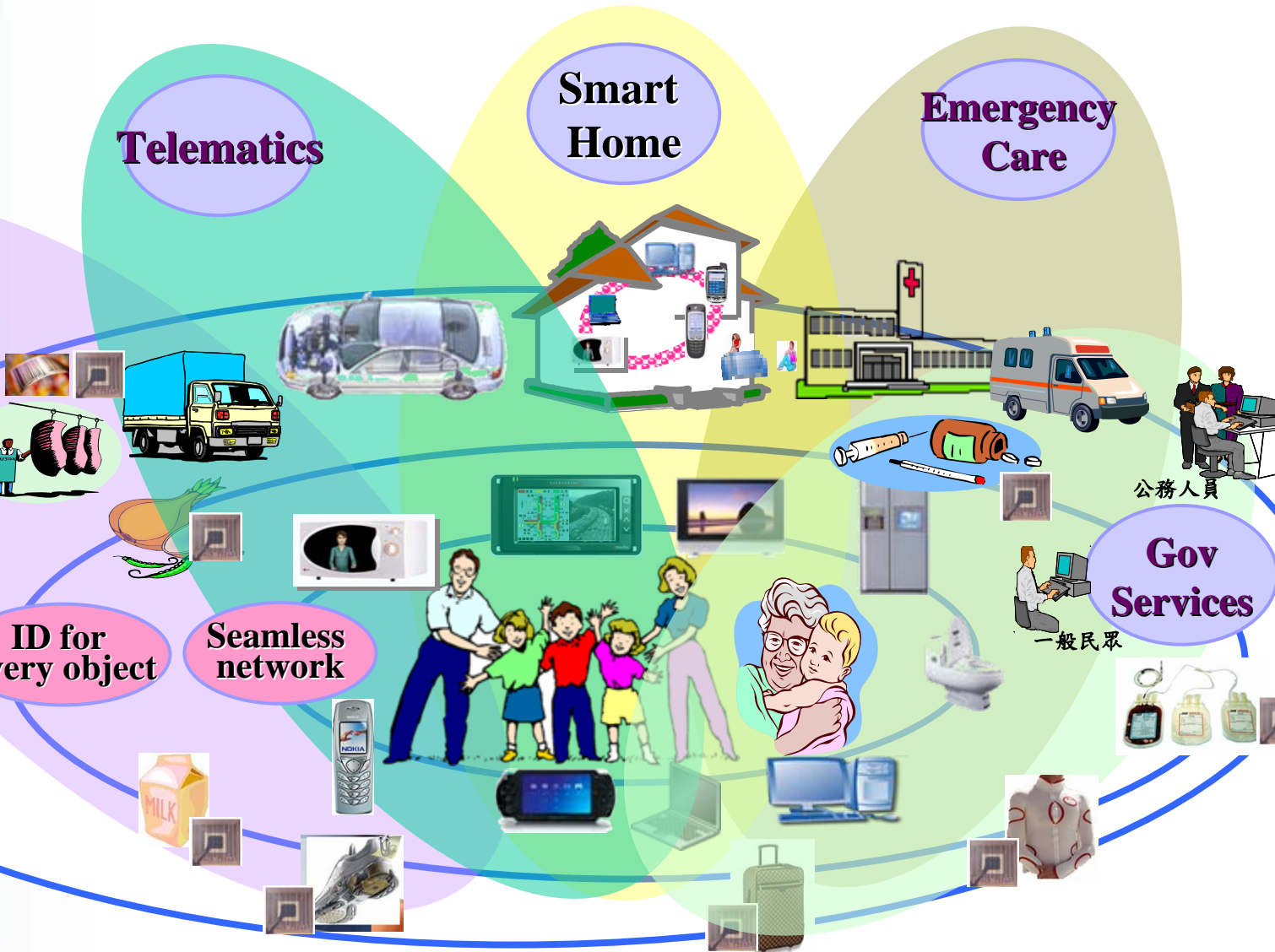
ID for every object

Seamless network

Gov Services

公務人員

一般民眾



M-Gov from “nice to have” to “must have”

- Virtually all information and transaction services will eventually need to be wireless enabled.
- Government agencies have to prepare for building infrastructure, enabling a wireless workforce, meeting citizen's demand, and scaling to critical mass.



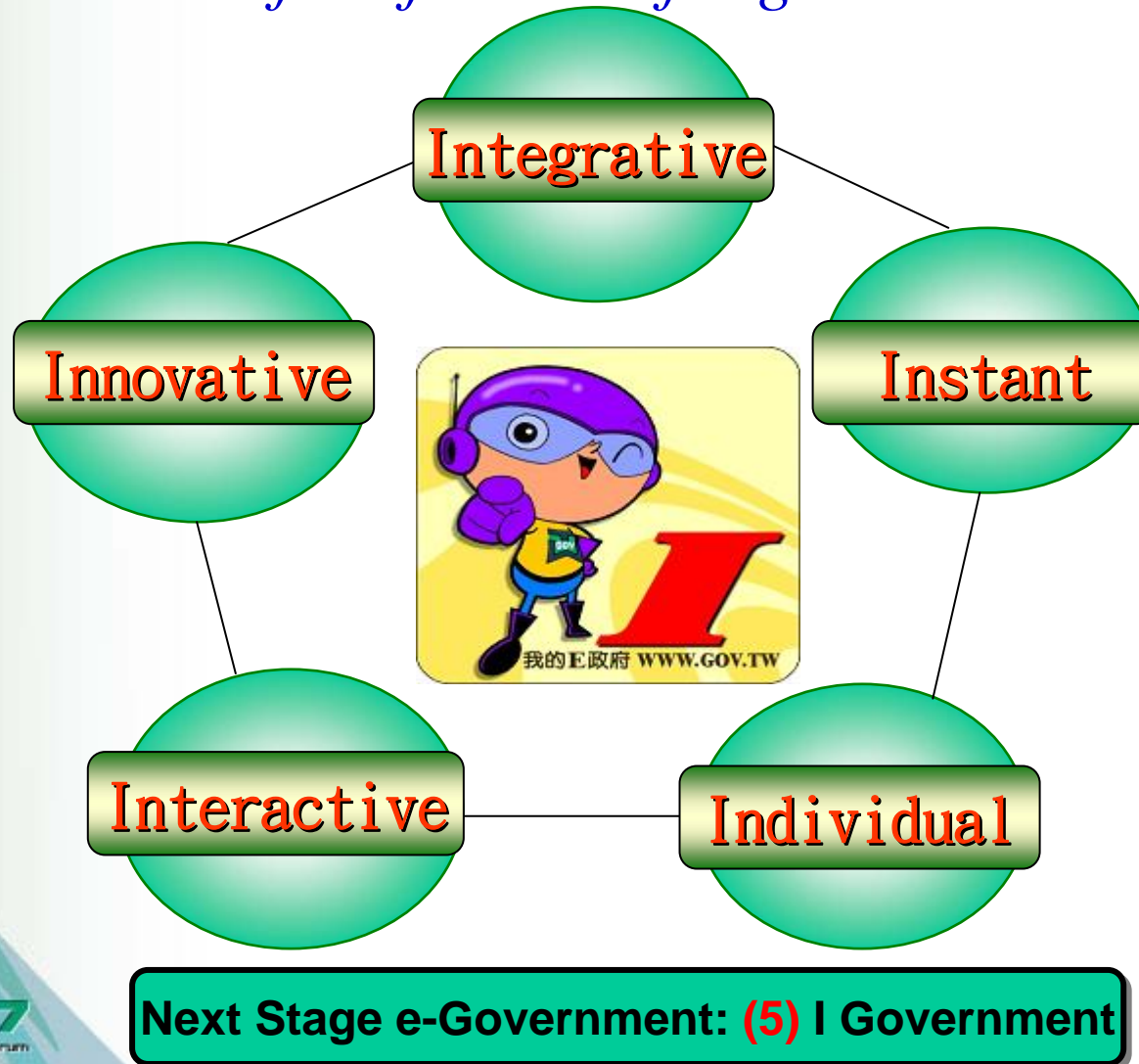
From E-services to U-services

U represents Ubiquitous.
Present, or Found everywhere.



3. Where are we going to?

How can we raise citizen's awareness and satisfaction, and meet their sense of usefulness of e-government services?



Vision

**Create public values, and
establish trust and connected society**

Goals

**Provide Multi-Channel Services;
Enrich Quality Life-Style**

**Prevail Informative Services;
Enhance Social Care**

**Strengthen Citizen Interaction;
Broaden e-Participation**





**THEN
YOU RAN YOUR COMPANY.
NOW
SHE DOES.**

Government

Core value-
citizen-centric



WORLDWIDE OLYMPIC PARTNER

source: digital Washington, 2000

Citizen-centric e-Service



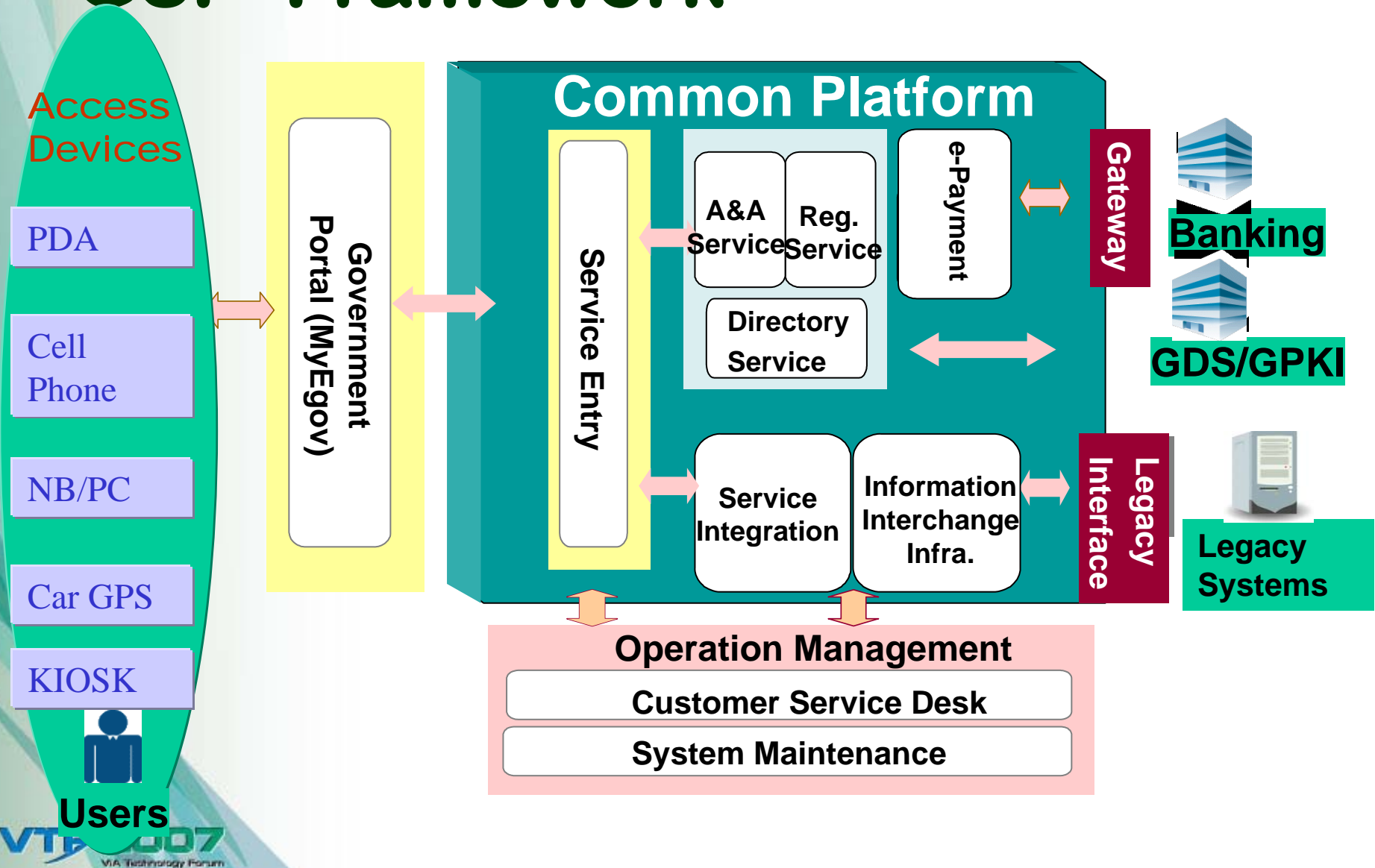
Wait in line

Web-enabled



- Keep on line
- Cross-boundaries
- Value added
- Self service
- Clustered service
- Personalization

GSP Framework



Cluster Services

- Travel service: transportation tickets, lodging, traffic information
- Starting a business: registration, taxation
- Sightseeing service: resource integration for public and private sectors.
- Medical service: medical resource, birth notification
- Household registration: birth, death, marriage online services
- Government employment service

eGov with Ultra Mobility Technology

- Connectivity
 - HSDPA, WiMAX, WiFi
- Triple Play
 - Voice, Data, Video
- Ultra Mobility
 - ULV computing, Platform miniaturization
- Mobile services & protocols
 - LBS, GPS, VoIP, SSL VPN,



6 advanced wireless services predicted by UMTS Forum

- 1. Multimedia service**
 - 2. Mobile commerce**
 - 3. VoIP**
 - 4. Unified messaging**
 - 5. Interactive broadcast**
 - 6. Location based services and applications**
- 2 major killer application from WiMAX Forum:
- VoIP & IP Video**



Scenario 1:e-Workers

- Bill filling
 - Hand writing or handset printing
 - E-payment can be available after 3 days of processing
 - Stand alone system with single function
- Using of Ultra Mobile Technology
 - Transfer billing data directly-no processing time
 - Integrated services-police and environment protection



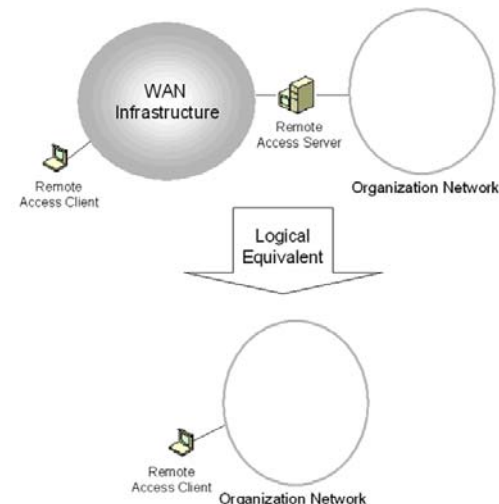
Scenario 2:e-Citizens

- Remote access to Government Network
 - Searching for wired network
 - Applications with limited bandwidth
- Using of Ultra Mobile Technology
 - Easily connect with proper bandwidth
 - Build a secure tunnel to resources with SSL VPN
 - Mobile video conference and VoIP service



Taiwan CNET

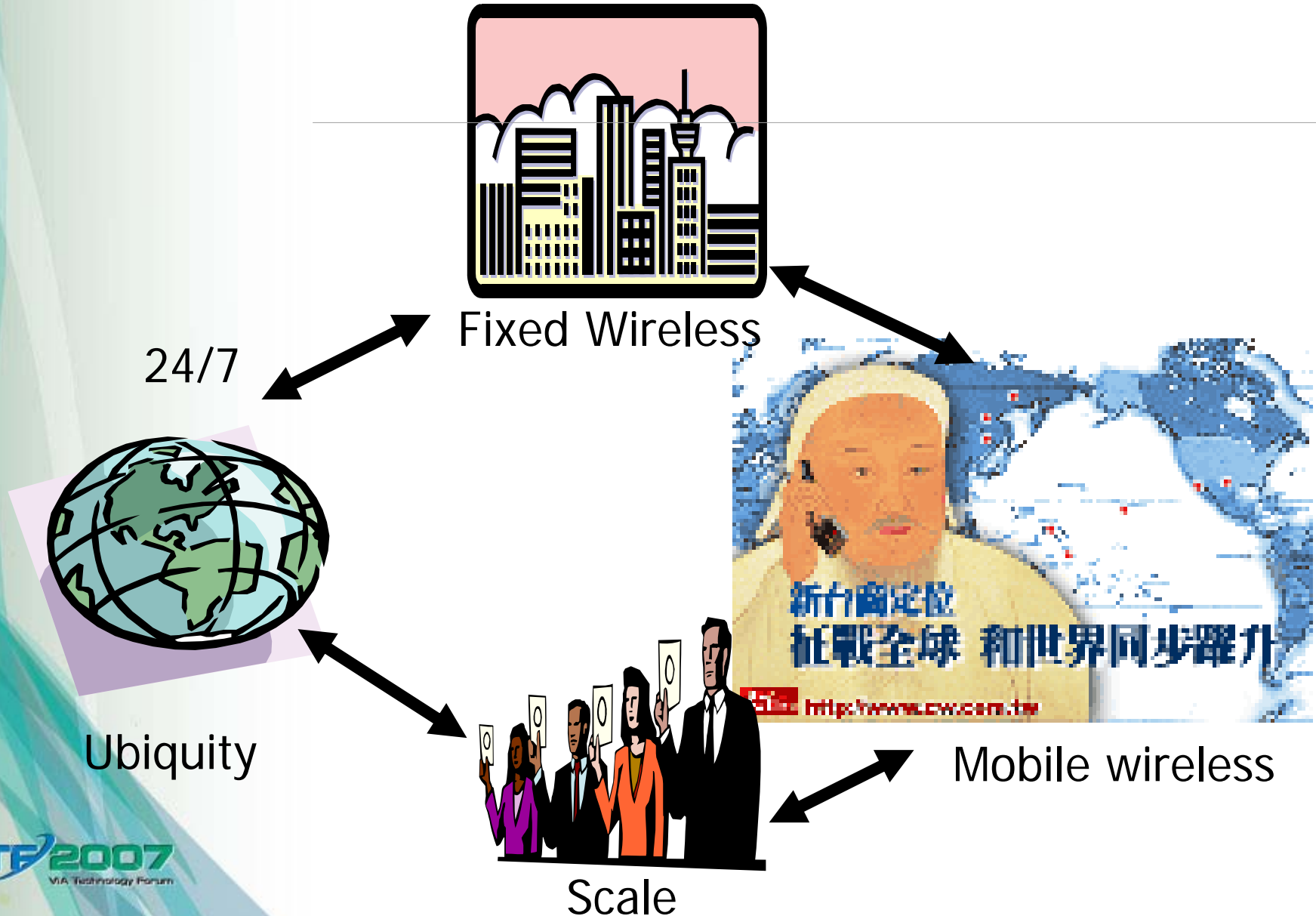
<http://taiwan.cnet.com/cnetlife/digilife/0,2000079913,20110961-20001643c-2,00.htm>



Microsoft Website:

http://www.microsoft.com/technet/prodtechnol/windows2000serv/deploy/confeat/ra_overview.msp

Scenario 3:e-Executives



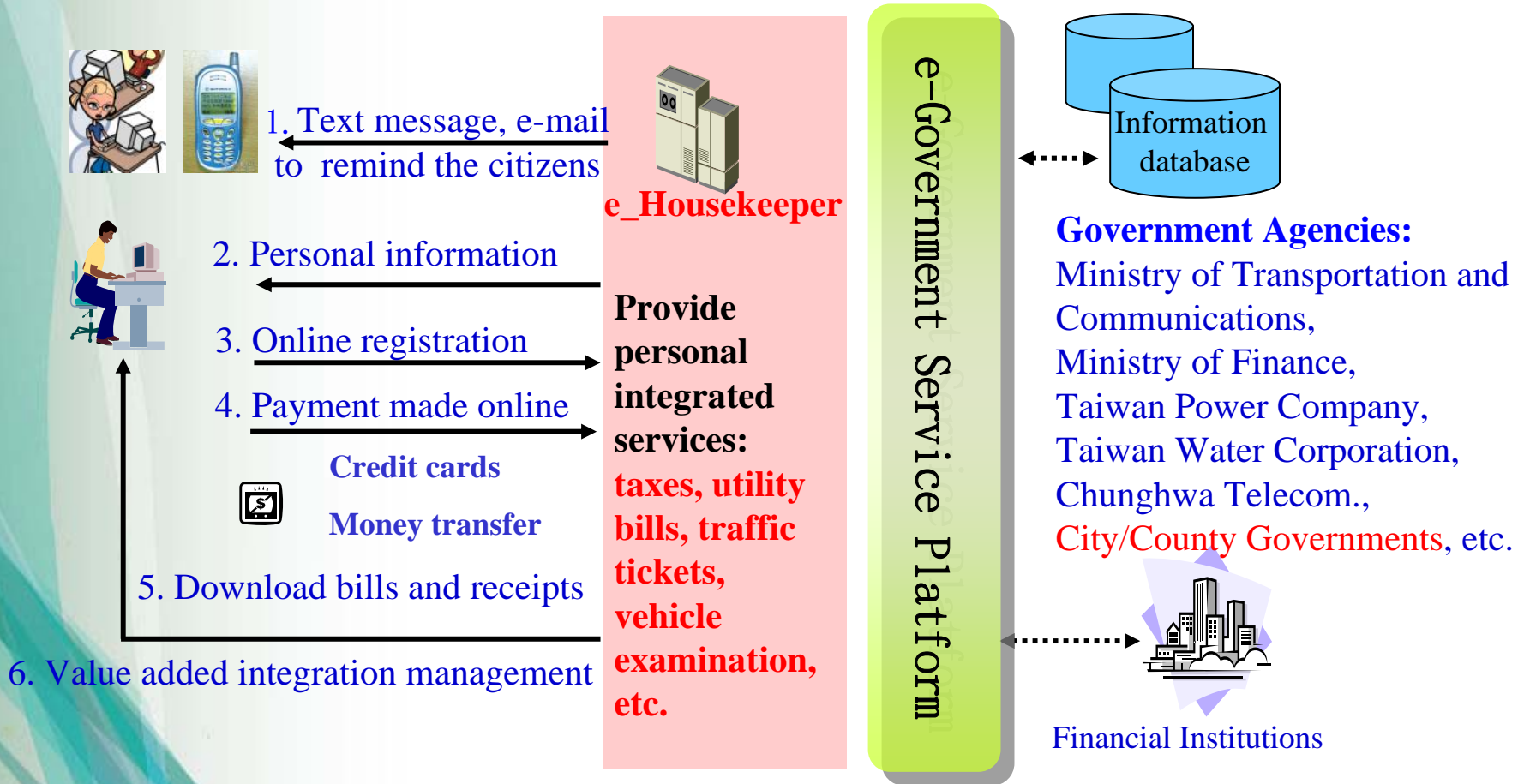
行動辦公室(Mobile Office + Mobile Commerce)

- Mobile VPN
- Security
- Electronic Signature
- Intellectual Property management protocol
- Micro Payment



Source:<http://blog.roodo.com/fredjame/archives/3129077.html>

Citizen's e_Housekeeper Service as an Example



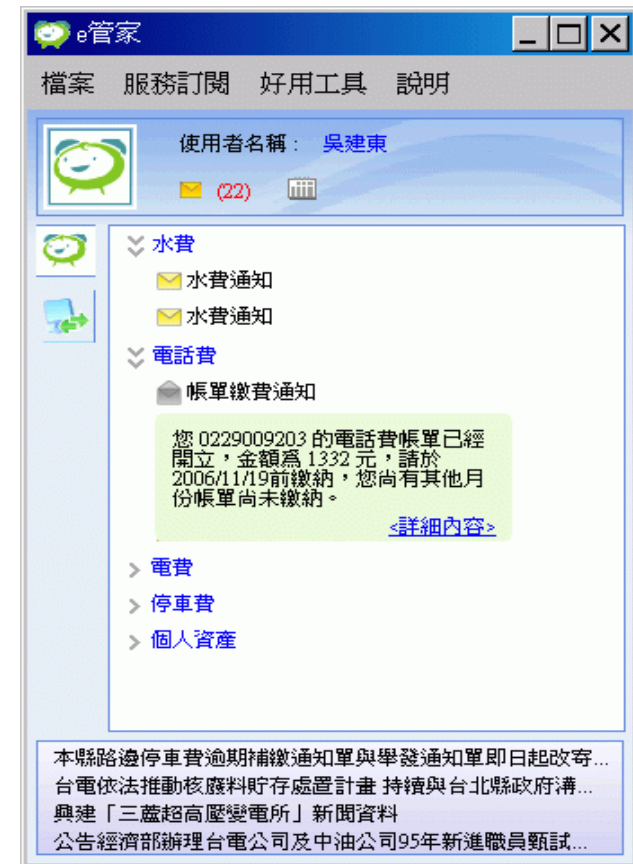
e_Housekeeper Service: Next Stage benchmarking for (5) Government

Step 1: Register and Download Routine



Step 3: Click and query/transact

Step 2: Activate instant message service (Pop-out screen)





e-Housekeeper

- Providing customized personal information
 - Motor and vehicle & driver information
 - Public utilities fee
 - Tax
 - Parking fee
 - Real estate information
- Easily combined with personal devices
 - UMPC
 - notebook or PC



Creating New Future with Determination and Imagination

- This is a wonderful moment, and exciting moment, a truly challenge moment, where government and you can participate in creating a new future and not simply be a hitchhiker on the side of the road.

END

- Taiwan e-Government Portal
 - <http://www.gov.tw>
- e-Housekeeper Website
 - <http://msg.nat.gov.tw>
- RDEC Website
 - <http://www.rdec.gov.tw>